

Roll No. \_\_\_\_\_ To be filled in by the candidate

(For all sessions)

**Computer Science** (Essay Type)

Time: 2:10 Hours

Marks: 60

**Section -I****MS-ACCESS****2. Write short answers of any six parts from the following.**

2 x 6 =12

- i. List file names from usage point of view.
- ii. Who is a data administrator?
- iii. Define attribute with example.
- iv. Why is Normalization used?
- v. Define data integrity.
- vi. Define form.
- vii. State the use of wild cards.
- viii. What are check boxes?
- ix. Differentiate between data redundancy and data inconsistency.

**C-Language****3. Write short answers of any six parts from the following.**

2 x 6 =12

- i. Write the purpose of define directive.
- ii. Why do you include "stdio.h" header file in c-program?
- iii. What is the purpose of include directive?
- iv. Determine output of the code.
- v. What is compound condition? Give an example.
- vi. How an arithmetic overflow occurs?
- vii. Find errors
- viii. Determine the output of the following code.
- ix. Write the use of printf ( ) function with an example.

```
include <stdio.h>
void main ( void )
{
    int x=3
    printf("%d",x);
}
```

```
int x=15;
int y=5;
printf("%d \t %d",x%y,x/y);
```

```
int a=10;
int b=12;
int c;
c=a+b;
printf("c=%3d",--c);
```

**4. Write short answers of any six parts from the following.**

2 x 6 =12

- i. Determine the output
- ii. Find the error
- iii. Define compound statement.
- iv. What is nested loop?
- v. Determine the output
- vi. Find the error
- vii. Why is function used in program?
- viii. Describe function definition.
- ix. Compare binary and text stream.

```
if (7%3==0)
    printf ("Punjab");
else
    printf ("Sindh");
```

```
void main ( )
{
    For (int n=1; n<=5, n++)
        printf("%d",n);
}
```

```
int n=1;
do
{
    printf ("%d \n",n);
    n++;
} While (n<=5);
```

```
void main ( )
{
    int y=10;
    IFF (y==5)
        printf("%d" y);
}
```

### OR Visual Basic

3. Write short answers of any six parts from the following.

2 x 6 =12

- i. What is program?
- ii. Which language translator is used in visual basic?
- iii. How visual basic code is executed?
- iv. Define the purpose of code window.
- v. What is difference between project and form.
- vi. Define event and method.
- vii. Determine the output.  
DIM x As Integer  
x =7/3  
print x
- viii. Find errors in the code.  
DIM x As float  
x=3.5  
x+x=7.0

ix. What is active-x control?

4. Write short answers of any six parts from the following.

2 x 6 =12

- i. Define compound statement.
- ii. What is nested loop?
- iii. Find the error  
Dim y=10; as integer  
IFF y=5 than  
print y
- iv. Determine the output  
Dim n=1 as integer;  
do  
print n  
n=n+1  
Loop While n<=5
- v. Determine output  
if (7%3=0) then  
print ("Punjab");  
else  
print("Sindh");
- vi. Find the error  
DIM n=1 as Integer  
For m=1 to 5  
print n
- vii. Why is function used in program?
- viii. Describe function definition.
- ix. Compare binary and text stream.

### Section -II

#### MS-ACCESS

Note: Attempt only one question from the following.

8x1=8

- 5. Define data modeling.Explain ingredient of data modeling.
- 6. List down different data types in MS-Access.Discuss four data types.

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### Section -III

Note:Attempt any two questions either from "C-language" or "Visual Basic".

8x2=16

#### C-language

- 7. Define data type and describe three types in detail.
- 8. Write a program in C language that inputs a number and finds whether it is positive, negative or zero.
- 9. Define while loop and differentiate while and do-while loop in detail.

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#### Visual Basic

- 7. Define data type and describe three types in detail.
- 8. Write a program in Visual basic that inputs a number and finds whether it is positive,negative or zero.
- 9. What is Do-While loop?Discuss flowchart,syntax and example of Do-While loop in detail.

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